

CLAIMS

What is claimed is:

- 1 1. A method comprising:
2 obtaining exclusive use of a system event log in a host
3 system from among one or more system management applications;
4 obtaining an identifier corresponding to an unprocessed
5 record; and
6 determining the next unprocessed record.
- 1 2. The method of claim 1 wherein the system event log is the
2 system event log of an Intelligent Platform Management
3 Interface (IPMI) operating in the host system.
- 1 3. The method of claim 2 wherein the unprocessed record is a
2 record of an IPMI event.
- 1 4. The method of claim 1 wherein obtaining exclusive use of
2 the system event log includes,
3 requesting exclusive use of the system event log; and
4 receiving an acknowledgement that exclusive use is
5 granted.
- 1 5. The method of claim 4 wherein receiving exclusive use of
2 the system event log includes accessing the Intelligent
3 Platform Management Interface Last Software Process Event ID
4 storage location.
- 1 6. The method of claim 1 wherein obtaining exclusive use of
2 the event log includes issuing a lock request to a lock agent
3 application.
- 1 7. The method of claim 6 wherein the lock agent application
2 runs on the host system.

1 8. The method of claim 1 wherein the one or more system
2 management applications include in-band system management
3 applications.

1 9. The method of claim 1 wherein the one or more system
2 management applications include out-of-band system management
3 applications.

1 10. The method of claim 1 wherein the one or more system
2 management applications include out-of-band system management
3 applications and in-band system management applications.

1 11. The method of claim 1 further comprising:
2 processing the unprocessed record; and
3 releasing exclusive use of the system event log.

1 12. The method of claim 1 further comprising:
2 determining if there are additional records to process.

1 13. The method of claim 1 further comprising:
2 storing the identifier corresponding to the unprocessed
3 record in non-volatile memory.

1 14. The method of claim 1 further comprising:
2 storing the identifier corresponding to the unprocessed
3 record in the Intelligent Platform Management Interface Last
4 Software Process Event ID storage location.

1 15. A machine-readable medium comprising at least one
2 instruction to synchronize the exclusive use of the system
3 event log, which when executed by a processor, causes the
4 processor to perform operations comprising:
5 receiving a request for the exclusive use of a system
6 event log in a host system from one of one or more system
7 management applications;

8 granting exclusive use of the system event log to the
9 requesting system management application if no other system
10 management application maintains a lock on the system event
11 log; and

12 denying use of the system event log to the requesting
13 system management application if another application maintains
14 a lock on the system event log.

1 16. The machine-readable medium claim 15 wherein the system
2 event log is the system event log of an Intelligent Platform
3 Management Interface (IPMI) operating in the host system.

1 17. The machine-readable medium of claim 15 further
2 comprising:

3 determining if exclusive use of the system event log is
4 locked by another application.

1 18. The machine-readable medium of claim 15 wherein the one
2 or more system management applications include in-band system
3 management applications.

1 19. The machine-readable medium of claim 15 wherein the one
2 or more system management applications include out-of-band
3 system management applications.

1 20. The machine-readable medium of claim 15 wherein the one
2 or more system management applications include out-of-band
3 system management applications and in-band system management
4 applications.

1 21. The machine-readable medium of claim 15 further
2 comprising:

3 receiving a request to release the lock on the exclusive
4 use of the system event log in the host system from a system
5 management application; and

6 releasing the lock on the exclusive use of the system
7 event log.

1 22. A machine-readable medium comprising at least one
2 instruction to manage the Intelligent Platform Management
3 Interface (IPMI), which when executed by a processor, causes
4 the processor to perform operations comprising:

5 requesting exclusive use of the IPMI system event log;
6 requesting an unprocessed system event exclusive use of
7 the system event log was obtained; and
8 releasing exclusive use of the IPMI system event log.

1 23. The machine-readable medium of claim 22 wherein the IPMI
2 system event log is on a server unit configured to run IPMI.

1 24. The machine-readable medium of claim 22 further
2 comprising:
3 processing the unprocessed system event.

1 25. A system comprising:
2 a first processing unit configured to implement an
3 Intelligent Platform Management Interface and synchronize the
4 exclusive access to a system event log by a system management
5 application from one or more system management applications;
6 and
7 a second processing unit communicatively coupled to the
8 first processor and configured to manage the Intelligent
9 Platform Management Interface via a system management
10 application, the second processing unit to access the system
11 event log only if the first processing unit grants exclusive
12 access to the system event log.

1 26. The system of claim 25 wherein the second processing unit
2 requests exclusive access to the system event log from the
3 first processing unit.

1 27. The system of claim 25 wherein the second processing unit
2 retrieves a last processed event before retrieving a next
3 unprocessed event.

1 28. The system of claim 25 wherein the second processing unit
2 requests that the first processing unit revoke its exclusive
3 use of the system event log.

1 29. The system of claim 25 wherein the second processing unit
2 accesses the Last Software Processed Event ID storage location
3 in the first processing unit.